þÿ Correction to: Network cartography of university knowledge landscapes about the history of science : landmarks and thematic communities

Lommi, Henri

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Correction to: Network cartography of university students' knowledge landscapes about the history of science: landmarks and thematic communities

Henri Lommi and Ismo T. Koponen*

* Correspondence: ismo.koponen@helsinki.fi
The original article can be found online at https://doi.org/10.1007/s41109-019-0113-8
Department of Physics, University of Helsinki, Gustaf Hallstromin katu2, P.O. Box 64, FI-00014 Helsinki, Finland

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Following the publication of the original article (Lommi and Koponen 2019), multiple errors were identified in the Results section, and Tables 1 and 2.

The correct data and tables are given below, and the changes have been highlighted in **bold typeface**.

Results – Heavy tails:

All these values are quite similar in all the networks, with values in the ranges of $0.15 < CC < 0.24$, $\mathbf{0.07} < CL < \mathbf{0.10}$, $0.66 < Q < 0.84$and $-0.12 < A < -0.07$

Table 1 Summary of symbols and abbreviations used recurrently in the text and figures

Symbol/Abbreviation		Symbol/Abbreviation	
A	Adjacency matrix	D	Degree centrality
$[\mathbf{A}]_{ij}$	Element ij of matrix **A**	K	Katz centrality
α	Damping factor	E	Katz efficiency
Z	Z-scores	Q	Modularity
N	Number of nodes	A	Assortativity
M	Number of links	C_L	**Local Clustering**
γ	Inverse power	C_C	**Closeness centrality**
σ	Width of lognormal distr.	Φ	Fragility

Table 2 Characteristics of networks g_X corresponding to distinct periods X = i,...,vi and G_X of aggregated periods X = I,...,IV

Netw.	Sizes		Fitted parameters		Correlations		Global invariants				Fragility
	N	M	γ	σ	R_2	τ_B	C_C	C_L	Q	A	Φ
g_i	239	356	1.0 ± 0.3	1.23 ± 0.07	0.90	0.51	0.24	**0.10**	0.66	−0.09	0.04
gii	311	392	1.5 ± 0.4	1.17 ± 0.07	0.74	0.45	0.18	**0.08**	0.80	−0.10	0.10
giii	326	424	1.5 ± 0.2	1.13 ± 0.07	0.75	0.34	0.16	**0.09**	0.80	−0.09	0.18
giv	158	190	0.9 ± 0.6	1.13 ± 0.07	0.77	0.57	0.18	**0.07**	0.78	−0.12	0.17
gv	208	254	1.6 ± 0.3	1.13 ± 0.07	0.77	0.51	0.16	**0.07**	0.79	−0.12	0.14
gvi	308	375	0.7 ± 0.3	1.16 ± 0.07	0.77	0.44	0.19	**0.08**	0.80	−0.11	0.20
G_I	826	1212	1.7 ± 0.2	1.27 ± 0.05	0.71	0.51	0.18	**0.09**	0.78	−0.06	0.03
G_{II}	858	1149	2.0 ± 0.2	1.26 ± 0.04	0.75	0.42	0.16	**0.09**	0.83	−0.08	0.03
GIII	796	1053	2.3 ± 0.2	1.26 ± 0.03	0.69	0.46	0.15	**0.08**	0.84	−0.08	0.07
GIV	757	992	1.6 ± 0.2	1.27 ± 0.05	0.76	0.48	0.17	**0.07**	0.83	−0.09	0.16
GTOT	1613	2306	2.1 ± 0.1	1.60 ± 0.04	0.62	0.53	0.16	**0.08**	0.83	−0.07	0.03

Power γ is for fitted inverse power law distributions fitted to degree (D) centrality distributions. The (logarithmic) width σ is for lognormal distributions fitted to Katz (K) centrality distributions. The relative errors of fits are estimated from the standard deviation of residuals. The correlations between values D and K are for Pearson (R^2) and Kendall-τ_B ranking (τ_B) correlations. The summarised global invariants are average values of Closeness centrality (C_C), Local Clustering coefficient (C_L), Modularity (Q) and Assortativity (A). For each network, the number of nodes N and links M are provided, as well as the fragility Φ

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Reference

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